Title: Knowledge Acquisition and Retrieval Apparatus and Method
Inventor: Han, Sherwin
Serial No.: NYA
Docket No.: ABK-001.02
Atty.: Kevin A. Oliver
Telephone No.: (617) 832-1241
Express Mail No. EV 327714967 US

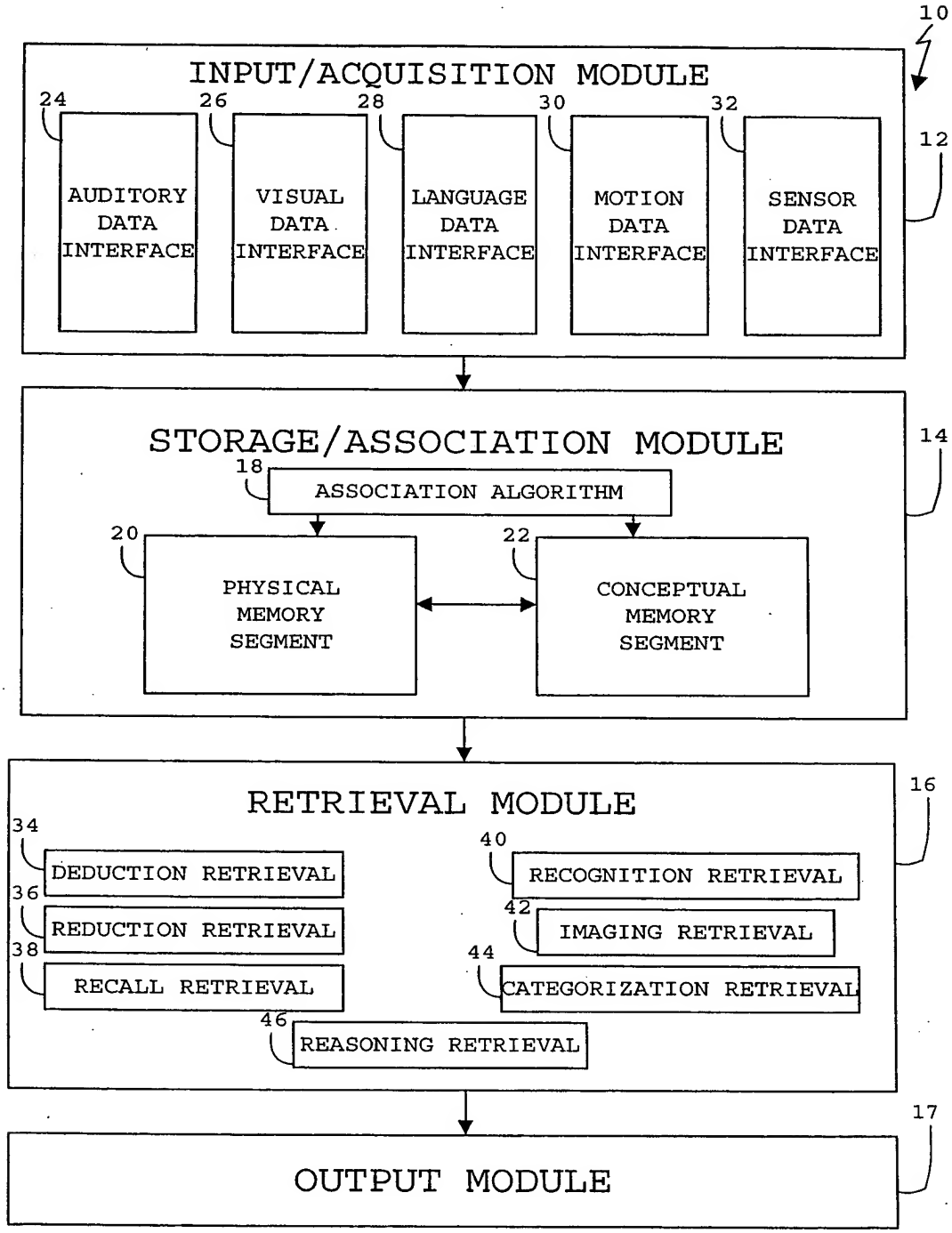

FIG. 1

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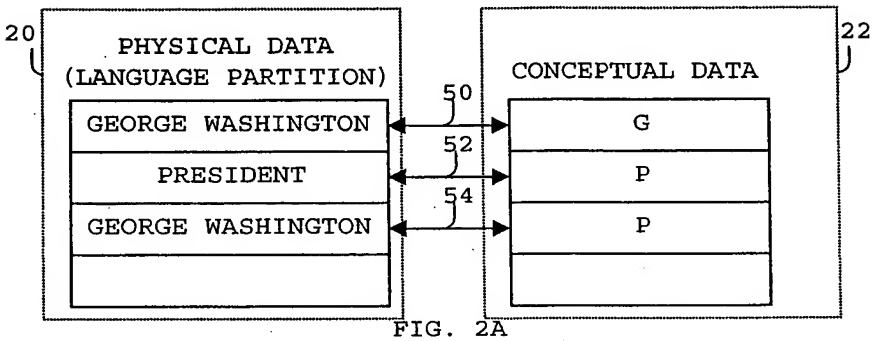

FIG. 2A

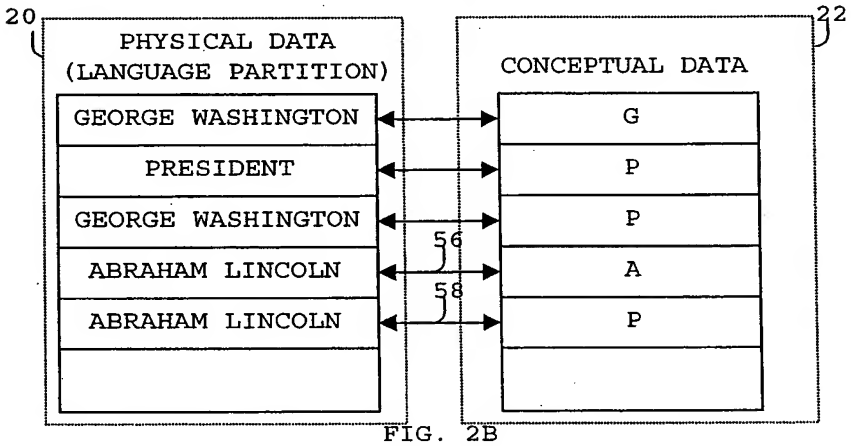

FIG. 2B

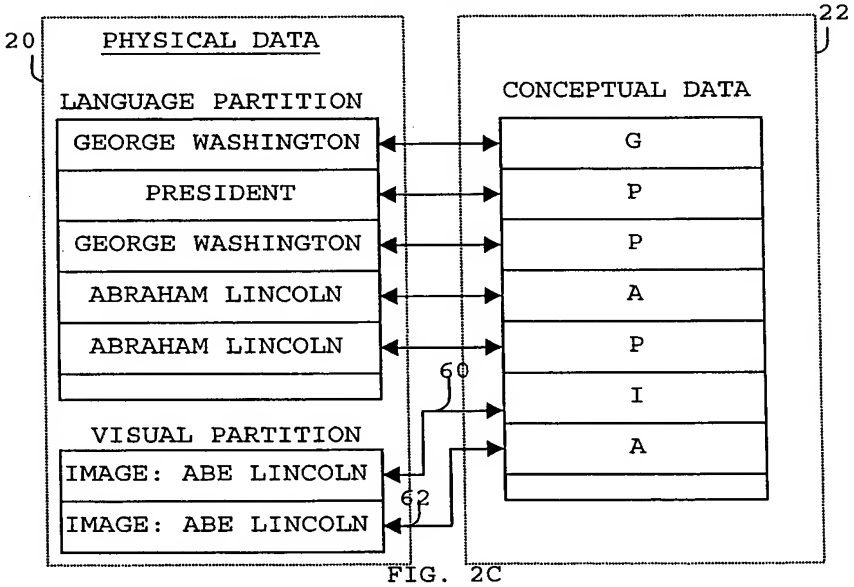

FIG. 2C

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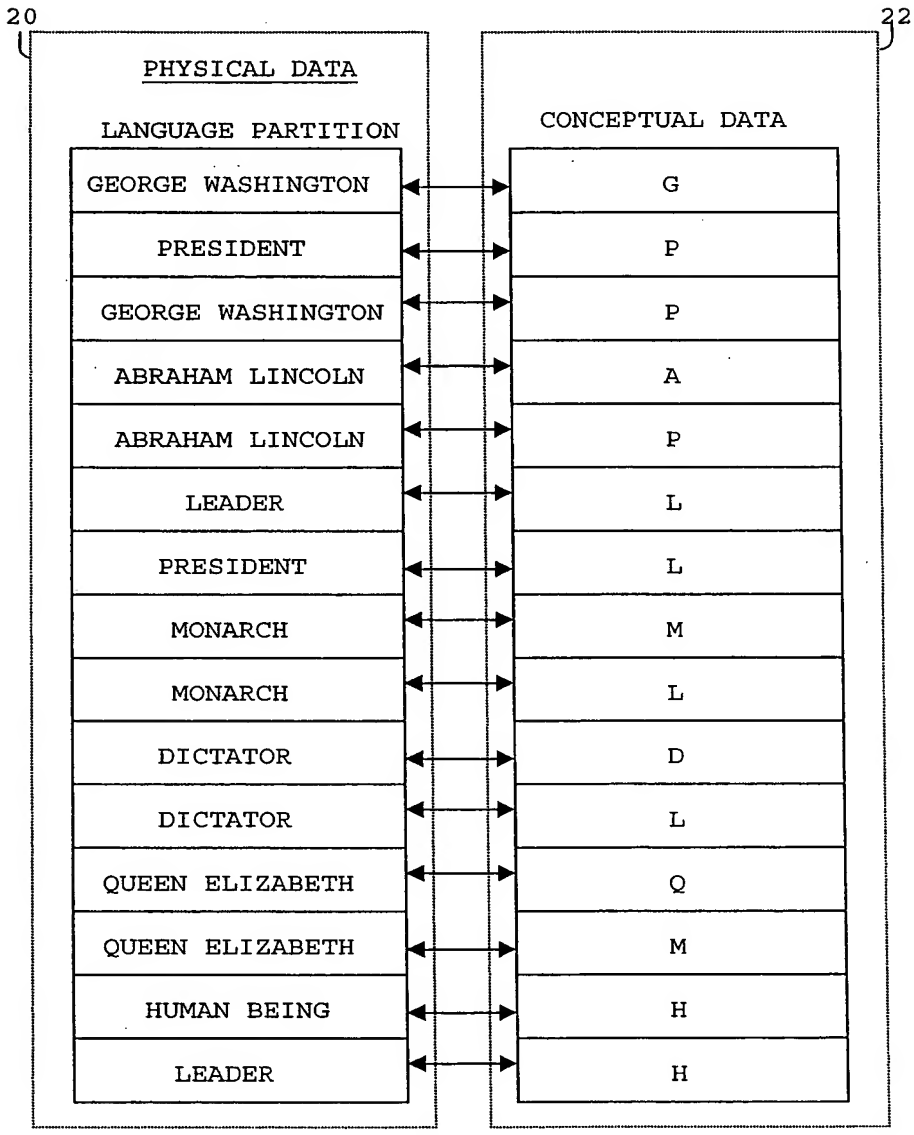

FIG. 3

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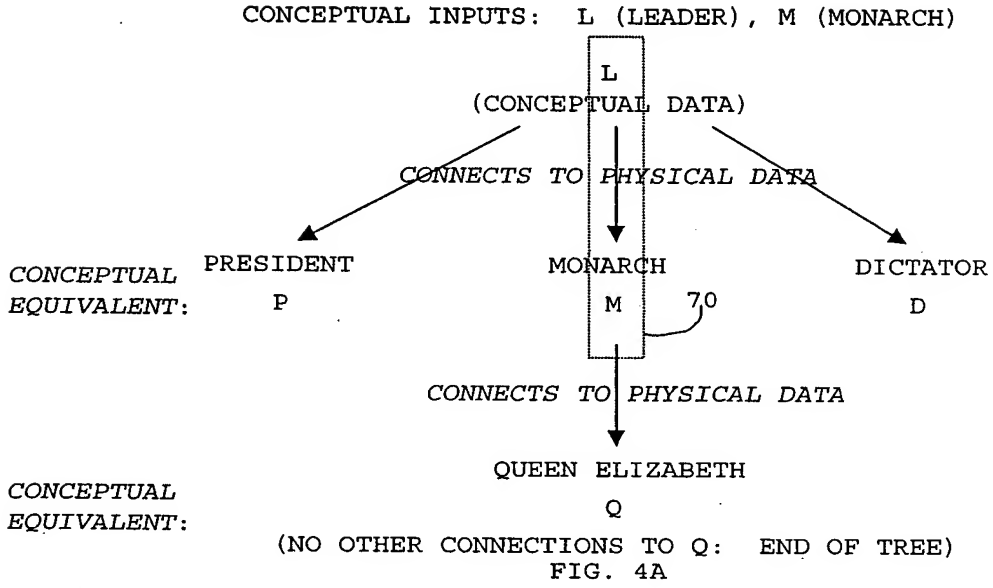
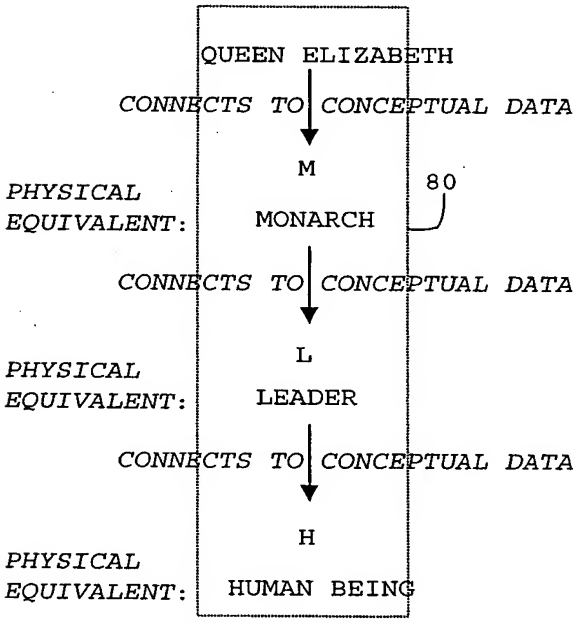


FIG. 4A



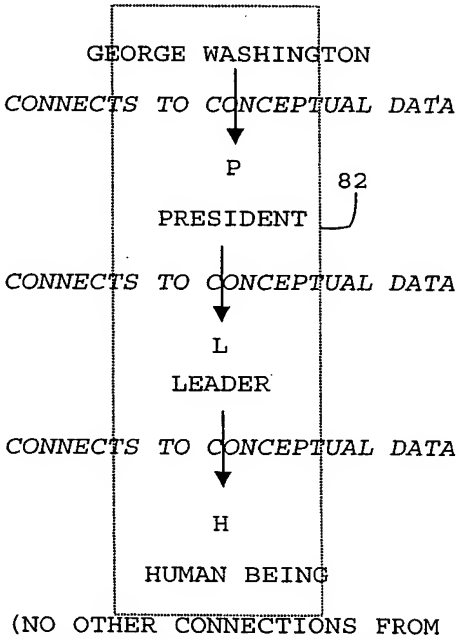


FIG. 4B

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RETRIEVAL ALGORITHMS

REDUCTION	C < L
IMAGING	C>A, C>V, C>M, C>S
DEDUCTION	L < C
RECOGNITION	A<C, V<C, M<C, S<C
RECALL	C > L
CATEGORIZATION	R > C
REASONING	R1---R2 < C1 ^ CN ^ C2

WHERE:

R = REPRESENTATIONAL, OR PHYSICAL DATA OF ANY KIND;
C = CONSCIOUSNESS, OR CONCEPTUAL DATA;
L = LANGUAGE REPRESENTATIONAL/PHYSICAL DATA;
A = AUDITORY REPRESENTATIONAL/PHYSICAL DATA;
V = VISUAL REPRESENTATIONAL/PHYSICAL DATA;
M = MOTION REPRESENTATIONAL/PHYSICAL DATA;
S = SENSORY REPRESENTATIONAL/PHYSICAL DATA;
R1, R2 ARE REPRESENTATIONAL ELEMENTS, AND C1, C2 ARE RESPECTIVE, CORRESPONDING CONCEPTUAL ELEMENTS; AND CN REPRESENTS MULTIPLE, UNKNOWN CONCEPTUAL ELEMENTS;

AND,

< = SINGLE INPUT, POTENTIAL MULTIPLE OUTPUT;
> = MULTIPLE INPUT, POTENTIAL MULTIPLE OUTPUT; and,
^ = INTERSECTION.

FIG. 5

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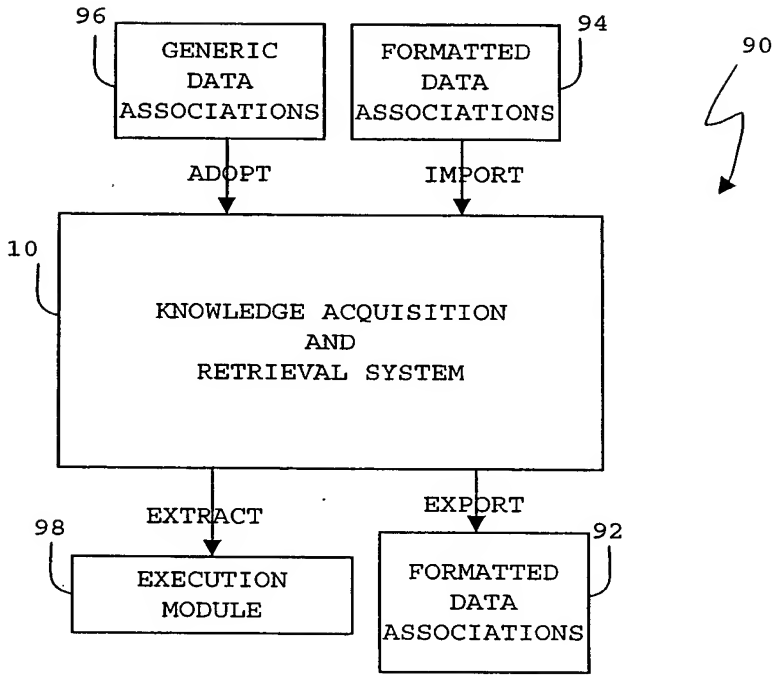

FIG. 6

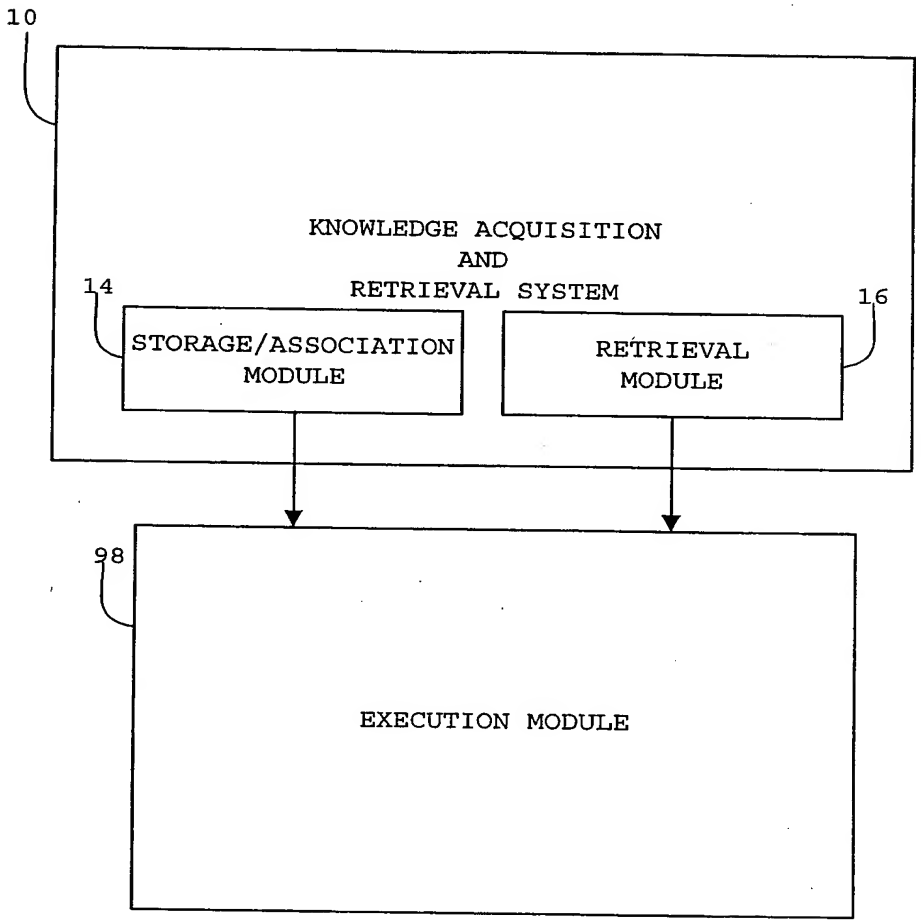
10
KNOWLEDGE ACQUISITION
AND
RETRIEVAL SYSTEM
14
STORAGE/ASSOCIATION
MODULE
16
RETRIEVAL
MODULE
98
EXECUTION MODULE

FIG. 7